

REMARKS

Applicants thank the Patent Office for the careful attention accorded this application and respectfully requests reconsideration in view of the Amendment above and remarks set forth below.

In response the Office Action dated June 24, 2003, Applicants have amended independent Claim 69 in order to more clearly define over the prior art of record, and more particularly point out and distinctively claim the novel features of the present invention over the prior art of record.

Applicants have also amended the Specification in order to correct errors of a typographical nature, and to ensure correspondence between the Specification and Drawings. Applicants also submit herewith a Substitute Specification, Claims and Abstract, per the request of the Examiner.

Applicants also submit herewith a Terminal Disclaimer to overcome any double patenting rejection over Application Nos. 09/252,254, now U.S. Patent No. 6,464,141, and 09/251,674, now U.S. Patent No. 6,475,556, by Applicants.

As amended, independent Claim 69 is directed to a holographic laser scanner having a plurality of beam folding mirrors disposed about said holographic scanning disc, for directly folding said plurality of scanning planes in a direction above said holographic scanning disc so as to project a complex scanning pattern through said scanning window and within the spatial extent of a predefined 3-D scanning volume disposed directly above the said holographic scanning disc.

As recited in amended Claim 69, the geometrical dimensions of only the beam folding mirrors in conjunction with the geometrical dimensions of the holographic scanning disc substantially determine the width and length dimensions of the scanner housing, and wherein the geometrical dimensions of only the beam folding mirrors and parabolic light collecting

mirrors beneath the holographic scanning disc substantially determine the height dimension of the scanner housing.

In marked contrast, the beam folding mirrors employed in the holographic scanner shown in Figs. 15, 16 and 17 do not “directly” fold the “plurality of scanning planes in a direction above said holographic scanning disc so as to project a complex scanning pattern through said scanning window and within the spatial extent of a predefined 3-D scanning volume disposed directly above the said holographic scanning disc”, as claimed. Rather the holographic scanner arrangement shown in Figs. 15-17 of US Patent No. 5,705,802 project its laser scanning planes out from the sides for the scanner for direct use or refolding using another secondary arrangement of beam folding mirrors, necessitating an enlarged scanner housing.

Moreover, unlike the holographic laser scanner defined by amended Claim 69, the geometrical dimensions of only the beam folding mirrors in conjunction with the geometrical dimensions of the holographic scanning disc (used in the holographic scanner of US Patent No. 5,705,802) do not substantially determine the width and length dimensions of the scanner housing. Many other components such as lasers 322 and lenses 324 factor in determining the width and length dimensions of the scanner housing.

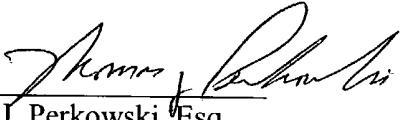
Further, unlike the holographic laser scanner defined by amended Claim 69, the geometrical dimensions of only beam folding mirrors and parabolic light collecting mirrors beneath the holographic scanning disc (used in the holographic scanner of US Patent No. 5,705,802) do not substantially determine the height dimension of the scanner housing. Rather, other system components such as beam folding mirrors 327 and photodetectors 339, 359 factor into determining the height dimensions of the scanner housing.

In view, therefore, of the Amendment and remarks set forth above, the present invention defined by pending Claims 69 and 70 is firmly believed to be neither anticipated by, nor rendered obvious in view of the prior art of record, and that the present application is now believed to be in condition for allowance.

Favorable action is earnestly solicited.

Respectfully submitted,

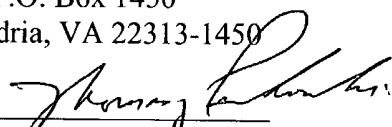
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Thomas J. Perkowski, Esq.  
Reg. No. 33,134  
Attorney for Applicants  
Thomas J. Perkowski, Esq., P.C.  
Soundview Plaza  
1266 East Main Street  
Stamford, Connecticut 06902  
203-357-1950  
<http://www.tjpatlaw.com>

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Thomas J. Perkowski, Esq.  
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